

### ABSTRACT OF THE DISCLOSURE

A cooling unit comprises a heat sink arranged adjacent to a heat generating component, the heat sink having area dimensions greater than the heat generating component. A heat diffusing member is arranged between the heat generating component and the heat sink. A first heat conducting member is interposed between the heat generating component and the heat diffusing member, and a second heat conducting member is interposed between the heat diffusing member and the heat sink. The heat diffusing member has a thermal conductivity higher than the second heat conducting member and area dimensions greater than the heat generating component.